

I claim:

1. A micro-adjustable boring bar comprising a boring bar body and an adapter, wherein said adapter has a BT40 tapering spindle at one end and a micro-eccentric bore with a little bit offsetting at another end, and a securing threaded hole is set upon at opposite side of eccentricity side for sequentially holding a limiting block and an elastic trip and a screw securing in from the outside, and a locating threaded hole is built upon the side of said micro-eccentric bore and kept an angle with said securing threaded hole for holding an elastic locating block and a screw securing in, and one open end of said adapter is appeared into a frustum with a pyramidal face, and a graduations are built on it; said boring bar body has a tool rest at one end for securing a tool bit on, and a pivoting shaft at the another end for plugging into said micro-eccentric bore of said adapter, and coordinating to said securing threaded hole and said locating threaded hole, a V-shaped ring groove is built upon the proper position of said pivoting shaft for catching the elastic locating block and the limiting block in.
2. A micro-adjustable boring bar as claimed in claim 1, wherein a circular recess is set upon the front end of said adapter, in which two limiting pins are embedded respectively in proper positions to form a pair of limitation points, coordinating to the two limiting pins, a pin is embedded on the shoulder end of said pivoting shaft of said boring bar body.
3. A as claimed in claim 1, wherein said elastic locating block extends a hook cantilever at front end from the top end and the

supported joint is at tip end, as pressed down, it can generate upward elastic restoring force.